

Date: Tue, 29 Mar 94 10:41:33 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #340  
To: Info-Hams

Info-Hams Digest                      Tue, 29 Mar 94                      Volume 94 : Issue 340

## Today's Topics:

(none)

Buying an HT -- Advice Wanted

CALLBOOK ON INTERNET

Do you post these E V E R !

Ham-related mailing lists

Hole in car roof: Affect vehicle value?

Hustler Mobile ant help

New Award Announcement (2 msgs)

QSLing packet messages?

Question on Kenwood 732 A

Rec.Radio.Amateur.Antennas activity??

RF and AF speech processors. Was: FT-990 vs TS-850

standard GX3000U Info request

The FCC Rule Book

Voice mail on a repeater?

WANTED: MT1000

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 29 Mar 94 16:14:37 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: (none)  
To: info-hams@ucsd.edu

Hello everyone:

There is an Internet accessible call sign server sponsored by the Rhode Island 2x2 Amateur Repeater Association, in the Anomaly Amateur Radio Server:

telnet ns.risc.net (155.212.2.2) login:hamradio  
(BuckMaster and Buffalo Callbooks on line)

73 & DX de XE1RGL.

-----  
Date: 28 Mar 1994 06:59:32 GMT  
From: ihnp4.ucsd.edu!mvp.saic.com!news.cerf.net!usc!sol.ctr.columbia.edu!  
news.columbia.edu!bonjour.cc.columbia.edu!mrw13@network.ucsd.edu  
Subject: Buying an HT -- Advice Wanted  
To: info-hams@ucsd.edu

I am interested in purchasing an HT would like some advice as to what are good models and the costs I am likely to run into. I plan on also using the HT as a scanner, so it must be able to pick up local police, fire, etc. as well as aircraft frequencies. I understand many HTs can get these frequencies but they need to be "modified" before hand, about how much does this cost? I have heard of dual-band HTs but am not totally sure as to what this means -- any helpful comments? One other consideration, I guess I might as well get a fairly powerful model as well (5 watts?) -- additional options (like getting cellular frequencies, a keypad with hundreds of features are nice, but not necessary. Where is the best and cheapest place to get such equipment? Also willing to buy a used model. Please email any responses.

Thanks in advance,

Marc Wollemborg  
<mrw13@columbia.edu>

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Date: Tue, 29 Mar 1994 02:54:44 GMT  
From: pacbell.com!uop!csus.edu!netcom.com!wy1z@ames.arpa  
Subject: CALLBOOK ON INTERNET  
To: info-hams@ucsd.edu

In article <1994Mar28.133651.340@pacs.sunbelt.net> ddepew@CHM.TEC.SC.US writes:  
>I have heard that there are several Callbook databases available  
>through the net, but have been unable to locate any. If you have  
>one that you like to use, please let me know by E-Mail. Thanks.  
>  
>Dorr Depew

>N4QIX

What capabilities do you have? Gopher, WWW (World Wide Web) and/or LYNX, telnet?

For US calls, try: telnet callbook.cs.buffalo.edu 2000

For international info. please e-mail me.

73,  
Scott

--

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=====
| Scott Ehrlich      Amateur Radio: wylz      AMPRnet: wylz@walphy.ampr.org |
| Internet: wylz@neu.edu  BITnet: wylz@NUHUB    AX.25: wylz@walphy.ma.usa.na |
|-----|
|      Maintainer of the Boston Amateur Radio Club hamradio FTP area on      |
| oak.oakland.edu:/pub/hamradio      |
=====
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Date: 28 Mar 94 23:13:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Do you post these E V E R !  
To: info-hams@ucsd.edu

WHY MEN ARE BETTER THAN HAMS

- 1) They can go all night doing something worthwhile.
- 2) Their rubber ducky works but the ham's part doesn't.
- 3) They are ALWAYS communicative in a real way.
- 4) If they get boring you can always hit the belly button.
- 5) They have no problem with "Frequency."
- 6) They are alive.
- 7) You don't want to "squelch" them.
- 8) They can be "reprogrammed" to act human

9) A ham will tell you all men's secrets that they never experienced for themselves

10) Their "transmitters" are never empty.

OK OK Im ducking sorry sorry sorry, I couldn't resist!!!

Are y'all still gonna ever speak to me!!!!!!

I 'pologize! Honest! Sincerely! Would I lie?????

Burt Fisher South Dennis (Cape Cod), Mass.  
Teacher of, Video, Broadcasting, Electronics  
Cape Cod Regional Vocational High School  
(Home of WCCT-FM 90.3 MHZ)

FISHERB@A1.mec.mass.edu  
Amateur Radio Call K10IK

-----  
Date: Sun, 27 Mar 1994 18:05:18 GMT  
From: news.Hawaii.Edu!uhunix3.uhcc.Hawaii.Edu!jherman@ames.arpa  
Subject: Ham-related mailing lists  
To: info-hams@ucsd.edu

In article <1994Mar26.222229.1@ntuvax.ntu.ac.sg> asirene@ntuvax.ntu.ac.sg writes:  
>Hi,  
>  
> Can someone post a list of all HAM-related mailing lists that  
>we can subscribe to? Tks.

QRP (qrp-request@think.com)  
boatanchors (dedicated to tube radio equipment)  
    (boatanchors-request@gnu.ai.mit.edu)  
DX (see the previous article)  
vintage solid state (don't know the sub address)  
contests (sub address unknown)

There's one devoted to commercial radio equipment - can't recall the name.  
Someone on 'boats' posted the entire list - there's at least a dozen more.

Jeff NH6IL

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Date: 28 Mar 1994 20:29:19 GMT

From: ihnp4.ucsd.edu!news.acns.nwu.edu!math.ohio-state.edu!howland.reston.ans.net!  
noc.near.net!transfer.stratus.com!hoop.sw.stratus.com!northup@network.ucsd.edu

Subject: Hole in car roof: Affect vehicle value?

To: info-hams@ucsd.edu

bodoh@dgg.cr.usgs.gov (Tom Bodoh) writes:

: In article <2n079g\$pl1@usenet.rpi.edu>, abelson@operators.its.rpi.edu (Mike  
Abelson) writes:

: |> I am considering installing a new antenna in my vehicle and roof-mounting it.  
: |>

: |> Of course, I'll need to make a hole in the roof, so the other day when at my  
local dealership I asked them what affect that might have on the vehicles value at  
trade-in/selling time. Their response was that it would lessen the value of the  
vehicle by \$50|> 0-\$600.

: |>

I asked my local dealership about adding roof racks that bolted thru  
the roof with steel backing plates. This is a lot bigger than an  
antenna hole. They told me it didn't make any difference to them.  
Last week when I did trade it in they gave me ~ \$1000 more than I  
felt it was worth.

Bill

--  
--

Bill Northup	PHONE: (508) 460-2085
Stratus Computer Inc.	INTERNET: northup@sw.stratus.com
55 Fairbanks Boulevard	Packet: N1QPR@WA1PHY.#EMS.MA.USA.NA
Marlboro, MA 01752	Amateur Radio: N1QPR

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Date: 29 Mar 94 13:45:36 GMT

From: news-mail-gateway@ucsd.edu

Subject: Hustler Mobile ant help

To: info-hams@ucsd.edu

Hi all. I am planning on going mobile with the quad magnetic mount  
for rooftop operations. I also have the Hustler mobile ant system  
i/e the various resonators. I do not plan on running them all  
on top, but rather just one resonator such as the 75 meter one.  
When I want to change bands I will stop and change etc.  
My questions are:

1. How to tune the resonators when in place as I have not paperwork or instructions on this.
2. Any other hints you might have.

I plan on using the kenwood 440s with a dentron super tuner. Yes I know the super tuner is big, but it is all I have at the moment and other than size this should not present a problem.

Also I calculate this thing will be about 12 feet plus from the road up. What dangers might I run into with this ? Surely do not want to hit any power wires etc..

Again thanks for you input..

WA2MZF in the frozen tundra of northern New York. Yes one has to be nuts to live up here !

73

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Date: Tue, 29 Mar 1994 12:41:49 GMT  
From: olivea!sgigate.sgi.com!sgiblab!wetware!spunky.RedBrick.COM!psinntp!psinntp!arrl.org!ehare@decwrl.dec.com  
Subject: New Award Announcement  
To: info-hams@ucsd.edu

Rev. Michael P. Deignan (kd1hz@anomaly.sbs.com) wrote:

: In this age of political correctness, its unfair that we have a "DXCC"  
: award for HF operators, but nothing that a no-code tech can aspire to  
: achieve by yacking on two meters.

In spite of the uselessness of the rest of the post, this concept has some merit. Any ideas for good ways to do this?

Ed

--

Ed Hare, KA1CV, ARRL Laboratory, 225 Main, Newington, CT 06111  
203-666-1541 ehare@arrl.org

My electronic posts and email do not necessarily represent the policy of the ARRL, but I can probably get in trouble for them anyway!

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Date: Tue, 29 Mar 1994 12:40:31 GMT  
From: olivea!sgigate.sgi.com!sgiblab!wetware!spunky.RedBrick.COM!psinntp!psinntp!arrl.org!ehare@decwrl.dec.com

Subject: New Award Announcement  
To: info-hams@ucsd.edu

Rev. Michael P. Deignan (kd1hz@anomaly.sbs.com) wrote:

: <inflammation deleted>

It is clear that you care more about your own self-gratification than you do any real goal in ham radio. This kind of drek is as bad as anything I have ever listened to on 11 meters. We know, after all of your preaching, that you would never put it on the ham bands. I, for one, would appreciate it if you would keep it off of here, too. This forum is a useful tool for communication and exchange of ideas. Such deliberate inflammation really does detract from its usefulness.

Thanks, Ed.

--

Ed Hare, KA1CV, ARRL Laboratory, 225 Main, Newington, CT 06111  
203-666-1541 ehare@arrl.org

My electronic posts and email do not necessarily represent the policy of the ARRL, but I can probably get in trouble for them anyway!

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Date: 28 Mar 1994 20:23:41 GMT

From: ihnp4.ucsd.edu!news.acns.nwu.edu!math.ohio-state.edu!howland.reston.ans.net!  
europa.eng.gtefsd.com!news.msfc.nasa.gov!news.larc.nasa.gov!grissom.larc.nasa.gov!  
kludge@network.ucsd.edu

Subject: QSLing packet messages?

To: info-hams@ucsd.edu

In article <2n7d4p\$cao@transfer.stratus.com> northup@hoop.sw.stratus.com (Bill Northup) writes:

>:

>

> Does this mean that we should start exchanging QSL cards for  
> our internet contacts ?

Sounds great! I'll just scan my card in and make a postscript file to send out.

--scott

--

"C'est un Nagra. C'est suisse, et tres, tres precis."

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Date: Mon, 28 Mar 1994 20:32:35 GMT

From: ihnp4.ucsd.edu!news.acns.nwu.edu!math.ohio-state.edu!howland.reston.ans.net!  
darwin.sura.net!rsg1.er.usgs.gov!dgg.cr.usgs.gov!bodoh@network.ucsd.edu

Subject: Question on Kenwood 732 A  
To: info-hams@ucsd.edu

In article <1994Mar28.130852.40544@dbsoftware.com>, adair@atldg02.dbsoftware.com (Owen Adair) writes:

|> BDW (bwehr@iastate.edu) wrote:  
|> : Was wondering if anyone out there in radio land has had any experience with  
|> : the Kenwood TM-732A its a mobil dual band and looks like a real nice piece.  
So  
|> : If you own one or know someone that does let me know what you think of it.  
|> : Thanks.  
|>  
|> I love mine, in spite of the intermod problems... If you live near a metro  
|> area, you might not be happy with the rcvr, especially on UHF. The features are  
|> really fun to play with...  
|>  
|> Also be aware that this month's QST has a new model , 733, advertised. I don't  
|> know if this rig is available, but I'd check before I bought a 732. The rcvr  
|> problems are likely to be fixed on this model...  
|>  
|> Again, if you don't live in a high RF environment, I'd buy the 732 - It's a  
great  
|> radio.

I called my favorite mail order outfit and they do not have the 733 yet, but they figure they'll sell for around \$650 or so, which is \$115 over their current price on the 732. They also said that Kenwood is running very short of the 732. This may be due to the fact that the 732 is cellular capable and couldn't be imported after April 26th. The 732 was due for replacement so they are replacing it with the 733 rather than just fixing the firmware to eliminate cellular (as may happen with other rigs). I wonder if the 733 is really worth the extra \$115 - did they address intermod problems for instance????

--

++++++  
+ Tom Bodoh - Sr. systems software engineer, Hughes STX, N0YGT +  
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198 (605) 594-6830 +  
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66) +  
+ "Welcome back my friends to the show that never ends!" EL&P +  
++++++

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Date: 28 Mar 94 18:13:09 GMT  
From: agate!howland.reston.ans.net!vixen.cso.uiuc.edu!sdd.hp.com!  
news.cs.indiana.edu!bsu-cs!bsu-ucs.uucp!00tlzivney@ames.arpa  
Subject: Rec.Radio.Amateur.Antennas activity??



To: info-hams@ucsd.edu

I have posted two items to a newsgroup, rec.radio.amateur.antennas, but have never ever seen any other activity on that newsgroup. I have been checking for two weeks. Does anyone out there ever look in on that newsgroup??????

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Date: Mon, 28 Mar 1994 20:01:05 GMT  
From: ihnp4.ucsd.edu!news.acns.nwu.edu!math.ohio-state.edu!sdd.hp.com!  
hpscit.sc.hp.com!news.dtc.hp.com!srngenprp!alanb@network.ucsd.edu  
Subject: RF and AF speech processors. Was: FT-990 vs TS-850  
To: info-hams@ucsd.edu

Gary Coffman (gary@ke4zv.atl.ga.us) wrote:

: In article <Cn8Los.3Ln@srngenprp.sr.hp.com> alanb@sr.hp.com (Alan Bloom) writes:

: >Gary Coffman (gary@ke4zv.atl.ga.us) wrote:

: >: In article <Cn6ryH.E5w@srngenprp.sr.hp.com> alanb@sr.hp.com (Alan Bloom) writes:

: >: >(By eliminating the crystal filter, phasing-type SSB transmitters have

: >: >better phase and amplitude flatness than filter-type rigs.)

: >

: >: Phffffff! The phase flatness through the audio phase shift networks

: >: used in amateur phasing SSB rigs was much worse than any phase

: >: distortion in a filter rig. The audio phasing network had to cover

: >: octaves while the crystal filter only has to work over a tiny fraction

: >: of an octave.

: >

: >Not true. A phasing-type SSB generator specifically depends on a

: >90 degree phase difference between the two channels. If the phase

: >flatness were bad, you would get terrible unwanted sideband suppression.

: No. Phasing exciters depend on \*quadrature\* at a given frequency to

: achieve SSB.

\*Sigh\* Here we go again...

"Quadrature" means exactly what I said above, a 90 degree phase difference.

: There must be a net 90 degree difference \*at any given

: frequency\*, but the phase at say 300 Hz vis 3000 Hz is irrelevant

: to the SSB generation, but not to the sound.

True, but the way 90-degree phase shift networks work is to generate two signals with phases that ramp linearly with frequency, but always 90 degrees out of phase. If the ramps weren't smooth, the phase difference wouldn't be 90 degrees.

: Ask yourself how many  
: milliseconds is a 90 degree phase delay at 300 Hz, then ask yourself  
: how many at 3000 Hz. ...

That's why there is less phase shift at 300 Hz than 3000 Hz (phase ramps linearly with frequency, see above.) Linear phase = constant group delay.

: >Same thing with amplitude flatness. The phase shift network's two  
: >channels must be matched to within a fraction of a dB to get good sideband  
: >suppression.

: Same thing with amplitude flatness. The amplitude has to match \*at  
: a given frequency\* ...

Again, the way to get amplitude matching is to make both channels flat.

The main thing affecting phase and amplitude flatness is the post-clipping crystal filter. It's easy to make the audio flat. If you screw that up, you just weren't paying attention.

: >A typical SSB crystal filter has a couple dB peak-to-peak ripple across  
: >the passband with similar ripples in the group delay. It is easy to  
: >do much better than that with a phasing-type exciter.

: How much time is a few degrees of phase shift at 9 MHz? How much effect  
: does that have on a 300 Hz waveform? One 9 millionth of a second is a  
: mighty small phase shift at 300 Hz.

Doesn't matter -- the delay through a filter depends on the bandwidth, not the center frequency. For example, if you built a 9 MHz crystal filter with a fraction of a Hz bandwidth, you would have SECONDS of delay through the filter. A 9 MHz SSB filter will have similar group delay as an audio filter of similar bandwidth and rolloff characteristics.

In reality, the crystal filter will generally be worse, for a couple of reasons. One is that the pole placement is harder to control. Another is that you can design a low-ripple maximally-linear-phase filter at audio. (Actually there's no reason that couldn't be done with a crystal filter as well, but I've never seen one offered for sale.)

Crystal filters are generally designed for maximum interference rejection (minimum shape factor) which is not required in an SSB generator filter. (Because rejection below 30-40 dB will be covered up by the power amplifier's intermodulation distortion anyway.) There's a tradeoff between designing for minimum shape factor and designing for maximum gain and phase flatness: Crystal filters designed for receive filtering are not optimum for a transmitter SSB generator.

AL N1AL

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Date: Mon, 28 Mar 1994 23:42:24 GMT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!  
europa.eng.gtefsd.com!library.ucla.edu!news.mic.ucla.edu!unixg.ubc.ca!  
nntp.cs.ubc.ca!cs.ubc.ca!nebulus!dennis@network.UCSD  
Subject: standard GX3000U Info request  
To: info-hams@ucsd.edu

I have a Standard GX3000U(AA) that I wish to pull down  
to uhf ham band. Can it be done? If so HOW?  
please send email as I do not frequently read  
this group.

AtDhVaAnNkCsE

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We cannot say all that we think, nor yet do all we say; therefore true peace  
of mind lies in abstaining from all thought.  
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Date: Tue, 29 Mar 1994 02:53:41 GMT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!  
vixen.cso.uiuc.edu!moe.ksu.ksu.edu!usenet-feed.umn.edu!rholobau@network.ucsd.edu  
Subject: The FCC Rule Book  
To: info-hams@ucsd.edu

Could somebody please tell me where I may get a copy of  
or purchase "The FCC Rule Book"? Thanks in advance,  
Randy

\*\*\*\*\*  
\*\* Randall W. Holobaugh \*\* But Jesus beheld them, and said unto them, \*\*  
\*\* rholobau@cs.umn.edu \*\* With men this is impossible, but with God \*\*  
\*\* University of \*\* all things are possible. \*\*  
\*\* Missouri-Rolla \*\* Matthew 20:26 \*\*  
\*\*\*\*\*

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Date: 28 Mar 1994 18:43:28 GMT  
From: elroy.jpl.nasa.gov!netline-fddi.jpl.nasa.gov!sec396-news.jpl.nasa.gov!  
news@ames.arpa

Subject: Voice mail on a repeater?  
To: info-hams@ucsd.edu

In article <Cn8ttu.AHI@news.Hawaii.Edu> jherman@uhunix3.uhcc.Hawaii.Edu (Jeffrey Herman) writes:

>Are there any repeaters left in this country that just repeat, including  
>no musical tones or beeps when you drop your carrier? I miss the old  
>days when all one heard was a nice solid kurchunk of the repeater  
>receiver's squelch tail quickly followed by a second squelch tail from  
>my receiver (the repeater carrier would drop off after 1-2 seconds).  
>This seemed to be the way most of the public safety repeaters were  
>also set up (particularly the California Division of Forestry  
>repeaters back when I was a fireman in the early 70s).

>

>Gary: I'll be disappointed if your repeater beeps.

>

>Jeff NH6IL

On our repeater, the beep is a signal that something has definitely occurred (i.e. the timeout timer has reset). I have worked on a number of controller and it seems that most of them send a courtesy beep just for the sake of sending a beep. The beep on our machine is triggered by the same timer that resets the TOT (17 year old hard wired logic) and that if you keep talking back and forth without anyone ever hearing the beep, the repeater WILL timeout. If the TOT function is disabled, then you will not hear the beep since why send a notification for an event that never happens. In our new design, the beep will continue to do the same and then some. The beeps will have different characteristics to indicate the current mode of the machine: links ups, timers on/off, remotes up, etc.

In fact, if you don't like hearing the beeps on our machines, all you have to do is turn on your CTCSS as our repeaters encode PL on their outputs ONLY when they are receiving a signal in the input. Except for occasionally hearing the IDer while someone else is talking, it is almost like talking simplex. You may or may not hear a squelch tail when on person stop talking to the repeater, the repeater will stop sending PL which causes your receiver to mute before the beep is heard and the subsequent drop of the repeater carrier.

Repeater systems just need to be smart not cute.

Randy KC6HUR  
hammock@kelvin.jpl.nasa.gov

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Date: 29 Mar 94 17:17:09 GMT  
From: hp-cv!hp-pcd!hpspkla!moore@hplabs.hp.com

Subject: WANTED: MT1000  
To: info-hams@ucsd.edu

My fire department is looking for used Motorola MT1000s, which I guess have been superceded by the HT1000. We need about three of them pretty quickly.

- o cover 154 mHz region
- o 16 channel w/ scan

We would also like to acquire the programming cable for these.

Any sources would be appreciated.

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End of Info-Hams Digest V94 #340

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